

This bulletin supersedes the previous one released on 8/31/11



**ASSOCIATE SEISMOLOGIST**  
**Recruitment #113999-00103755-11cm08**

Department(s):	Dept of Conservation
Opening Date:	9/9/2011 9:30:00 AM
Closing Date:	11/16/2011 5:00:00 PM
Type of Recruitment:	Departmental Open
Salary:	MONTHLY-RANGED-SALARY - \$4,960.00 to \$5,980.00
Employment Type:	Permanent Full-time Permanent Part-time Permanent Intermittent Limited Term Full-time Limited Term Part-Time Limited Term Intermittent
Exam Type:	State-wide

**EEO**

An equal opportunity employer to all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

**DRUG FREE STATEMENT**

It is an objective of the state of California to achieve a drug-free state work place. Any applicant for state employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the state, the rules governing civil service and the special trust placed in public servants.

**WHO SHOULD APPLY?**

Candidates who meet the minimum qualifications as stated below may apply for this examination at any time. Once you have taken the examination, you may not reapply for **six (6)** months. All applicants must meet the education and/or experience requirements as stated on this examination announcement.

**FILING INSTRUCTIONS**

Final File Date has been extended to **November 16, 2011**. Applications must be POSTMARKED no later than the final filing date. Applications postmarked, personally delivered or received via inter-office mail after the final filing date will not be accepted for any reason. **DO NOT SUBMIT YOUR APPLICATION ON-LINE**. The California State

Personnel Board website no longer accepts on-line applications.

**Where to Apply:**  
**Department of Conservation**  
**Human Resources Office**  
**801 K Street, MS 22-13**  
**Sacramento, CA 95814**

## **SPECIAL TESTING ARRANGEMENTS**

If you have a disability and need special testing arrangements mark the appropriate box in part 2 of the application. You will be contacted to make specific arrangements.

## **REQUIRED IDENTIFICATION**

Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.

## **SALARY INFORMATION**

**\$4,960.00 - \$5,980.00 per month**

## **ELIGIBLE LIST INFORMATION**

A departmental open eligible list will be established for the Department of Conservation. The list will be abolished 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.

## **REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION**

It is your responsibility to make sure you meet the education and/or experience requirements stated on this announcement on the date you submit your application. Your signature on your application indicates that you have read, understood, and possess the basic qualifications required.

**NOTE:** Applications/resumes must include "to" and "from" dates (month/day/year), time base, civil service class title(s), and range (if applicable) for all work experience. College course information must include title, number of semester or quarter units, name of institution, location of institution, completion dates, and degree (if applicable).

**NOTE:** All applicants must meet the education and/or experience requirements as stated on this examination announcement.

## **MINIMUM QUALIFICATIONS**

Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as Either "I", or "II", or "III", etc. For example, candidates possessing qualifying experience amounting to 50% of the required time of Pattern I and additional experience amounting to 50% of the required time of Pattern II, may be admitted to an examination as meeting 100% of the overall experience requirements.

### **EITHER I**

**Education:** Graduation from an accredited college or university with major work in seismology, geophysics, geology, engineering geology, engineering, physics or mathematics. And

**Experience:** Three years of increasingly responsible professional experience after graduation in the field of seismology performing earthquake investigations and seismic instrumentation studies, at least one year of which shall have been in earthquake data analysis. (Full-time, comprehensive graduate study leading to a master's degree in one of the fields listed under "Education" may be substituted for the two years of required nonspecialized experience on a year-for-year basis.)

### **OR II**

Possession of a doctorate's degree from an accredited college or university in one of the fields listed under "Education".

## **POSITION DESCRIPTION**

An Associate Seismologist assists in planning, organizing, and conducting a variety of seismological studies and investigations in connection with earthquake engineering activities; assists in developing and organizing major earthquake and geodetic data reduction programs involving machine methods of collating and analyzing basic earthquake data and deriving seismic factors for engineering design; supervises a crew engaged in the installation or operation of specialized seismic equipment; gathers, analyzes, and prepares data such as earthquake damage probability maps, seismic radiation patterns, ground motion spectrograms, creep rates, and tectonic movement for inclusion in computerized programs; interprets seismic records, compares and evaluates seiche and earthquake data, assists in the development of earthquake prediction criteria and an earthquake warning system; makes periodic onsite investigations of hydraulic structures similar to those in the State Water Project that have experienced earthquake damage; prepares technical departmental reports and correspondence.

## **EXAMINATION INFORMATION**

### **QUALIFICATIONS APPRAISAL INTERVIEW-WEIGHTED 100%**

This examination will consist of a Qualifications Appraisal Interview (QAP) weighted 100%. The QAP will consist of pre-determined and job-related questions. It is anticipated that interviews will be scheduled in **December 2011/January 2012** in such locations as the number of candidates warrant.

## **SCOPE OF EXAMINATION**

In addition to evaluating the competitor's relative abilities as demonstrated by quality and breadth of experience, emphasis in the examining interview will be on measuring competitively, relative to job demands, each competitor's:

## **KNOWLEDGE AND ABILITIES**

### **Knowledge of:**

1. Methods and instruments used in seismic earthquake investigations
2. Fundamental principles involved in interpreting and analyzing seismic instrument data
3. Application and use of digital computers in earthquake data analysis

4. Application of earthquake data to engineering principles.

**Ability to:**

1. Perform technical research and development work
2. Prepare complete and comprehensive reports;
3. Install and operate specialized seismic equipment.

## VETERANS PREFERENCE

Veterans' Preference credits will not be granted in this examination since it does not qualify as an entrance examination under the law.

## CAREER CREDITS

Career Credits will be granted for this examination.

## SELECTION PLAN

**11/16/11 Application Screening**

**December 2011/January 2012 Interviews**

## CONTACT INFORMATION

For hearing impaired or deaf candidates, call TDD: (916) 324-2555 (Sacramento)

TDD is a Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD device.

## DISCLAIMER

Please click on the link below to review the official California State Personnel Board class specification:

<http://spb.ca.gov/jobs/resources/jobspecs.htm>

## GENERAL INFORMATION

**For an examination with a written feature**, it is the candidate's responsibility to contact the Department of Conservation three days prior to the written test date if he/she has not received his/her notice of appointment.

**For an examination without a written feature**, it is the candidate's responsibility to contact the Department of Conservation three weeks after the final filing date if he/she has not received his/her notice.

**If a candidate's notice** of oral interview or performance test fails to reach him/her 3 days prior to their scheduled appointment due to a verified postal error, he/she will be rescheduled upon written request.

**Examination Locations:** When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. However, locations of interviews or performance evaluations may be limited or extended as conditions warrant.

**Applications are available** at [www.jobs.ca.gov](http://www.jobs.ca.gov), State Personnel Board offices, local offices of the Employment Development Department and the testing department on this job bulletin.

**If you meet the requirements** stated on this bulletin, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. Your performance in the examination will be compared with the performance of the others who take this test, and all candidates who pass will be ranked according to their scores.

**The testing department** reserves the right to revise the examination plan to better meet the needs of the service, if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

**Candidates needing special testing arrangements** due to a disability must mark the appropriate box on the application and/or contact the testing department.

**General Qualifications:** Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required. In open examinations, investigation may be made of employment records and personal history and fingerprinting may be required.

**Eligible Lists:** Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) service-wide promotional, 5) departmental open, 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on the bulletin.

**If Promotional Examinations Only:** Competition is limited to employees who have a permanent civil service appointment and military veterans that meet all the minimum qualifications. Under certain circumstances, other employees may be allowed to compete under provisions of Rules 234, 235, and 235.2. State Personnel Board Rules 233, 234, 235, 235.2, and 237 contain provisions regarding civil service status and eligibility for promotional examinations. These rules may be reviewed at departmental personnel offices, at the State Personnel Board office or [www.jobs.ca.gov](http://www.jobs.ca.gov).

**If High School Equivalence is Required:** Equivalence to completion of the 12th grade may be demonstrated in any one of the following ways: 1) passing the General Educational Development (GED) Test; 2) completion of 12 semester units of college work; 3) certification from the State Department of Education, a local school board, or high school authorities that the candidate is considered to have education equivalent to graduation from high school; 4) for clerical and accounting classes, substitution of business college work in place of high school on a year-for-year basis. **NOTE: For peace officer classifications please refer to the testing department for special requirements.**

**Veterans' Preference Points:** California Law (Government Code 18971-18978) allows the granting of Veterans' Preference Points in Open entrance and Open, Non-Promotional entrance examinations. Veterans' Preference Points will be added to the final score of all competitors who are successful in these types of examinations, and who qualify for and have requested these points by mail. **In Open entrance examinations, Veterans' Preference Points** are granted as follows: 10 points for veterans, widows, and widowers of veterans, and spouses of 100% disabled veterans; and 15 points for disabled veterans. **In Open, Non-Promotional entrance examinations, Veterans' Preference Points** are granted as follows: 10 points for veterans and 15 points for disabled veterans. Employees who have achieved permanent State civil service status are not eligible to receive Veterans' Preference Points. Permanent State civil service status means the status of an employee who is lawfully retained in his/her position after completion of the applicable probationary period. This includes permanent intermittent, part-time, and full-time appointments. In addition, individuals who at any time achieved permanent State civil service status and subsequently resigned or were dismissed from State civil service are not eligible to receive Veterans' Preference Points. Veteran status is verified by the State Personnel Board (SPB). Directions to apply for Veterans' Preference Points are on the Veterans' Preference Application (STD. Form 1093) which is available at [www.spb.ca.gov](http://www.spb.ca.gov) or from the State Personnel Board, 801 Capitol Mall, Sacramento, CA 95814 and the Department of Veterans Affairs.

**Career Credits:** In open, non promotional examinations, career credits are granted to: 1) State

employees with permanent civil service status, 2) full-time employees of the state who are exempt from State civil service pursuant to the provisions of Section 4 of Article VII of the California Constitution, and who meet all qualification requirement specified by the Board and have 12 consecutive months of service in an exempt position, and 3) individuals who have served one full year in, or are graduates of, the California Conservation Corps (eligibility shall expire 24 months after graduation from the California Conservation Corps). Three points are added to the final test score of those candidates who meet the above criteria, and who are successful in the examination. Such examinations cannot be for managerial positions described in Government Code Section 3513. Competitors not currently employed in state civil service who have mandatory reinstatement rights may also be eligible for career credits, but they must explain their service status in the appropriate section of the application Form 100-678. (Section 4 of Article VII of the California Constitution is posted at the State Personnel Board, 801 Capitol Mall and Sacramento).

**Felony Disqualification:** You are disqualified from being employed as a peace officer if: (1) You have been convicted of a felony in California or any other state; (2) you have been convicted of any offense in any other state which would have been a felony if committed in California; (3) you have been charged with a felony and adjudged by a superior court to be mentally incompetent; (4) you have been adjudged addicted or in danger of becoming addicted to narcotics, convicted, and committed to a State institution. If you have been convicted of a felony, you may be allowed to participate in this examination if your conviction(s): (1) has/have been sealed under Penal Code Section 851.7, 851.8, 1203.45, or Health and Safety Code Section 11361.5; (2) has/have been expunged or is/are expugnable pursuant to Health and Safety Code Section 11361.5 regarding marijuana offenses; (3) was/were stipulated or designated to be a lesser included offense of marijuana possession under Health and Safety Code Section 11557 or 11366.

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**Department of Conservation  
Examination and Certification Unit  
801 K Street, MS 22-13  
Sacramento, CA 95814  
(916) 322-7685**